Minimum System Requirements for Master’s of Data Science and Master’s of Health Analytics students

Minimum Hardware Specifications

To successfully complete the assignments and activities in the Master of Science in Data Science Program or Master of Science in Health Analytics Program, you must use a laptop or desktop computer that meets the following specifications:

Processor: Intel® Core™ i7 (12th Generation or newer), AMD Ryzen™ 7 equivalent, or Apple ARM (M2/M3 or newer supported)

Operating System: Windows 11 64-bit Professional, macOS (current supported version), or a modern 64-bit Linux distribution (e.g., Debian-based, Arch-based, Fedora-based, or equivalent) capable of running Docker Engine

Memory: 32.0GB RAM (16.0GB minimum)

Hard Drive: 1TB Solid State Drive (SSD) (500GB minimum), with at least 50GB of free disk space available

Graphics: Integrated video card (Dedicated NVIDIA GPU recommended for GPU-accelerated coursework). GPU support in Docker is available on Windows (via WSL2) and Linux (via native Docker with NVIDIA/ROCm tooling); macOS does not support native GPU passthrough in Docker Desktop.

Keyboard: Standard English Keyboard

Pointing Device: Mouse or trackpad

Ports: USB 3.0 or higher, HDMI (or adapter), Additional adapters as needed

Network: Gigabit Ethernet, 802.11ac/ax (WiFi 5 or WiFi 6), Bluetooth 5.0 or higher

Webcam

Capable of installing Docker Desktop (Windows/macOS) or Docker Engine (Linux) with hardware virtualization enabled (WSL2 on Windows and equivalent native virtualization support on macOS and Linux). Refer to the official Docker installation requirements for your operating system: **https://docs.docker.com/desktop/ (/https://docs.docker.com/desktop/)**

Students using Linux should be comfortable managing their own system configuration and command-line environment. Technical support may be limited for non-standard operating system configurations.

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